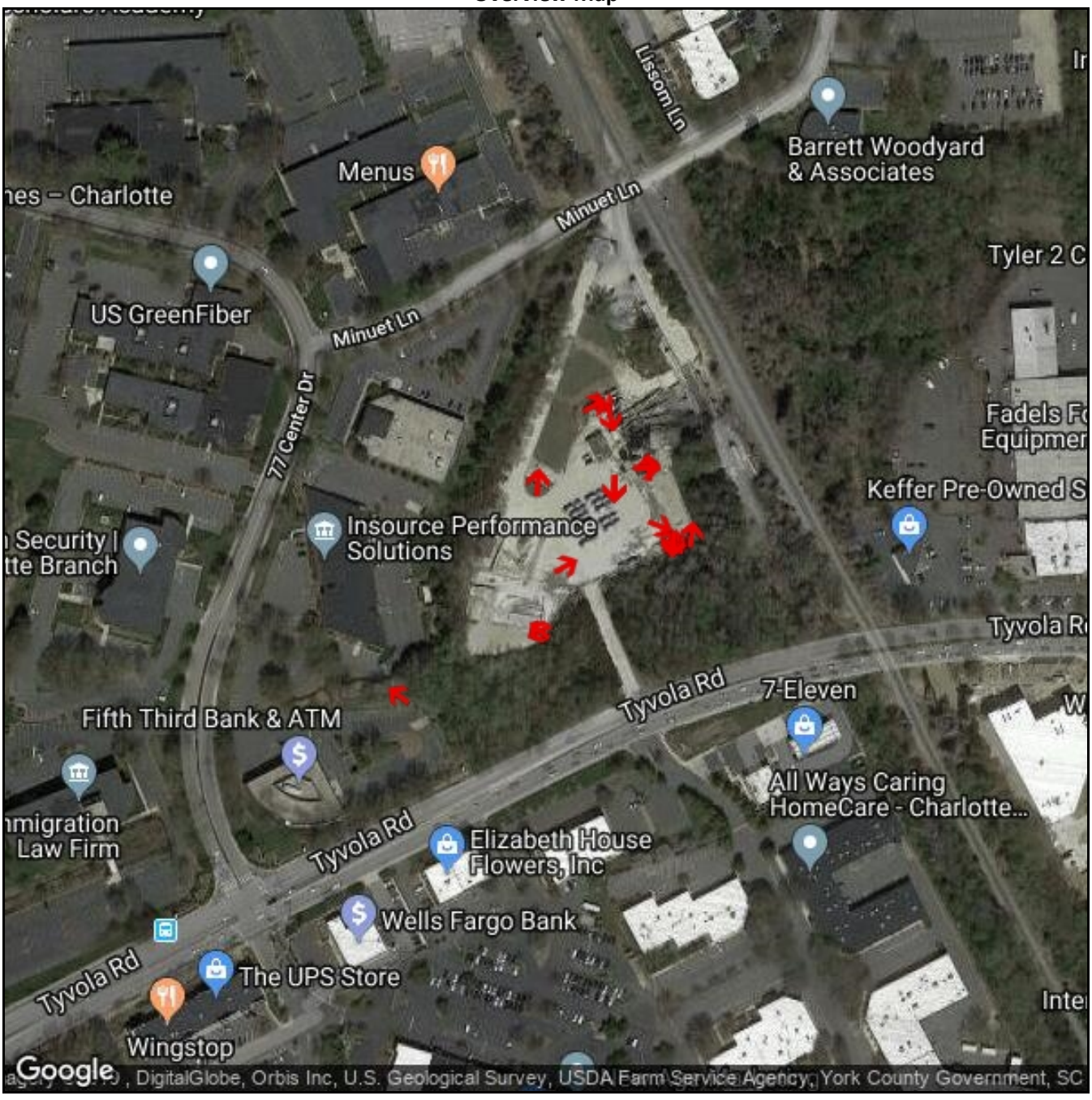
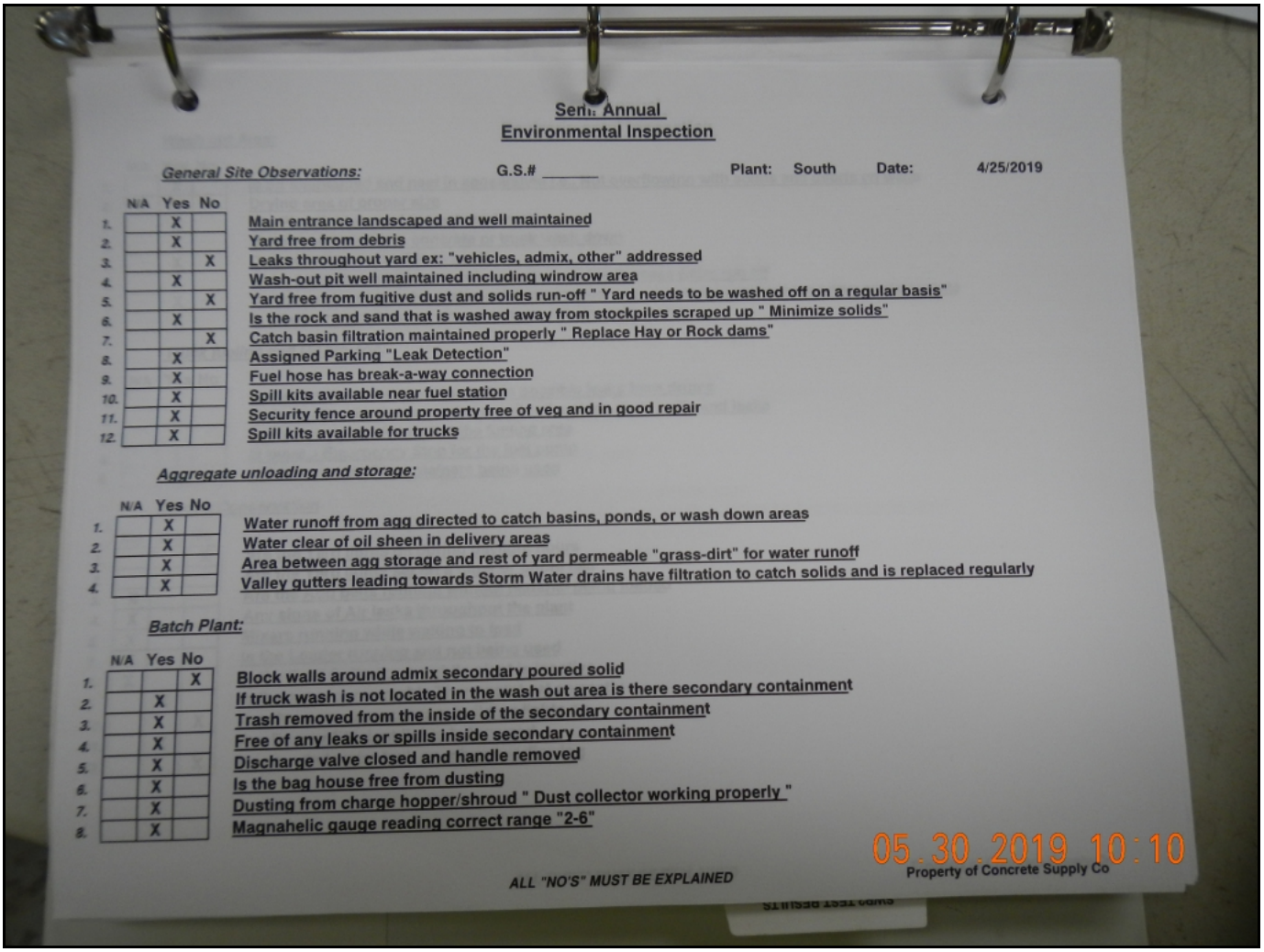
CSC Charlotte South

EPA R4 NPDES Inspection

Inspected on 5/29/19
Red arrows indicate direction of photo.

Overview Map





Semi Annual
Environmental Inspection

General Site Observations: G.S.# _____ Plant: South Date: 4/25/2019

	N/A	Yes	No	
1.		X		Main entrance landscaped and well maintained
2.		X		Yard free from debris
3.			X	Leaks throughout yard ex: "vehicles, admix, other" addressed
4.		X		Wash-out pit well maintained including windrow area
5.			X	Yard free from fugitive dust and solids run-off " Yard needs to be washed off on a regular basis"
6.		X		Is the rock and sand that is washed away from stockpiles scraped up " Minimize solids"
7.			X	Catch basin filtration maintained properly " Replace Hay or Rock dams"
8.		X		Assigned Parking "Leak Detection"
9.		X		Fuel hose has break-a-way connection
10.		X		Spill kits available near fuel station
11.		X		Security fence around property free of veg and in good repair
12.		X		Spill kits available for trucks

Aggregate unloading and storage:

	N/A	Yes	No	
1.		X		Water runoff from agg directed to catch basins, ponds, or wash down areas
2.		X		Water clear of oil sheen in delivery areas
3.		X		Area between agg storage and rest of yard permeable "grass-dirt" for water runoff
4.		X		Valley gutters leading towards Storm Water drains have filtration to catch solids and is replaced regularly

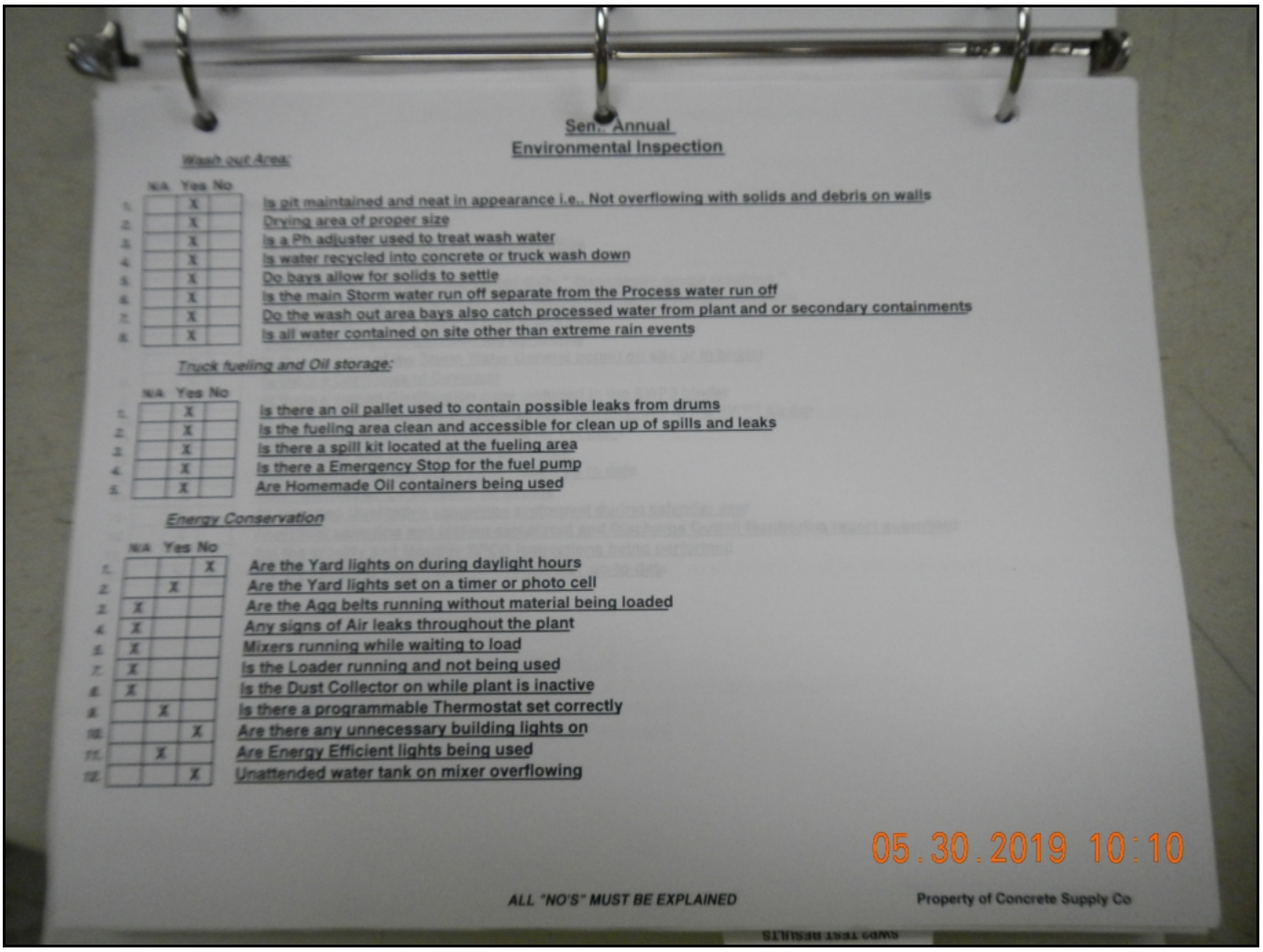
Batch Plant:

	N/A	Yes	No	
1.			X	Block walls around admix secondary poured solid
2.		X		If truck wash is not located in the wash out area is there secondary containment
3.		X		Trash removed from the inside of the secondary containment
4.		X		Free of any leaks or spills inside secondary containment
5.		X		Discharge valve closed and handle removed
6.		X		Is the bag house free from dusting
7.		X		Dusting from charge hopper/shroud " Dust collector working properly "
8.		X		Magnahelic gauge reading correct range "2-6"

ALL "NO'S" MUST BE EXPLAINED

05.30.2019 10:10
Property of Concrete Supply Co

Attributes	
Description	Page 1 of form used for semiannual inspection. Three pages in all. This form dates from 4/25/19. Inspection originals are kept in the office of the corporate environmental manager. The form itself does not have a place to record responses to findings.



Sem.. Annual
Environmental Inspection

Wash out Area:

	N/A	Yes	No	
1.		X		Is pit maintained and neat in appearance i.e.. Not overflowing with solids and debris on walls
2.		X		Drying area of proper size
3.		X		Is a Ph adjuster used to treat wash water
4.		X		Is water recycled into concrete or truck wash down
5.		X		Do bays allow for solids to settle
6.		X		Is the main Storm water run off separate from the Process water run off
7.		X		Do the wash out area bays also catch processed water from plant and or secondary containments
8.		X		Is all water contained on site other than extreme rain events

Truck fueling and Oil storage:

	N/A	Yes	No	
1.		X		Is there an oil pallet used to contain possible leaks from drums
2.		X		Is the fueling area clean and accessible for clean up of spills and leaks
3.		X		Is there a spill kit located at the fueling area
4.		X		Is there a Emergency Stop for the fuel pump
5.		X		Are Homemade Oil containers being used

Energy Conservation

	N/A	Yes	No	
1.			X	Are the Yard lights on during daylight hours
2.		X		Are the Yard lights set on a timer or photo cell
3.	X			Are the Agg belts running without material being loaded
4.	X			Any signs of Air leaks throughout the plant
5.	X			Mixers running while waiting to load
7.	X			Is the Loader running and not being used
8.	X			Is the Dust Collector on while plant is inactive
9.		X		Is there a programmable Thermostat set correctly
10.			X	Are there any unnecessary building lights on
11.		X		Are Energy Efficient lights being used
12.			X	Unattended water tank on mixer overflowing

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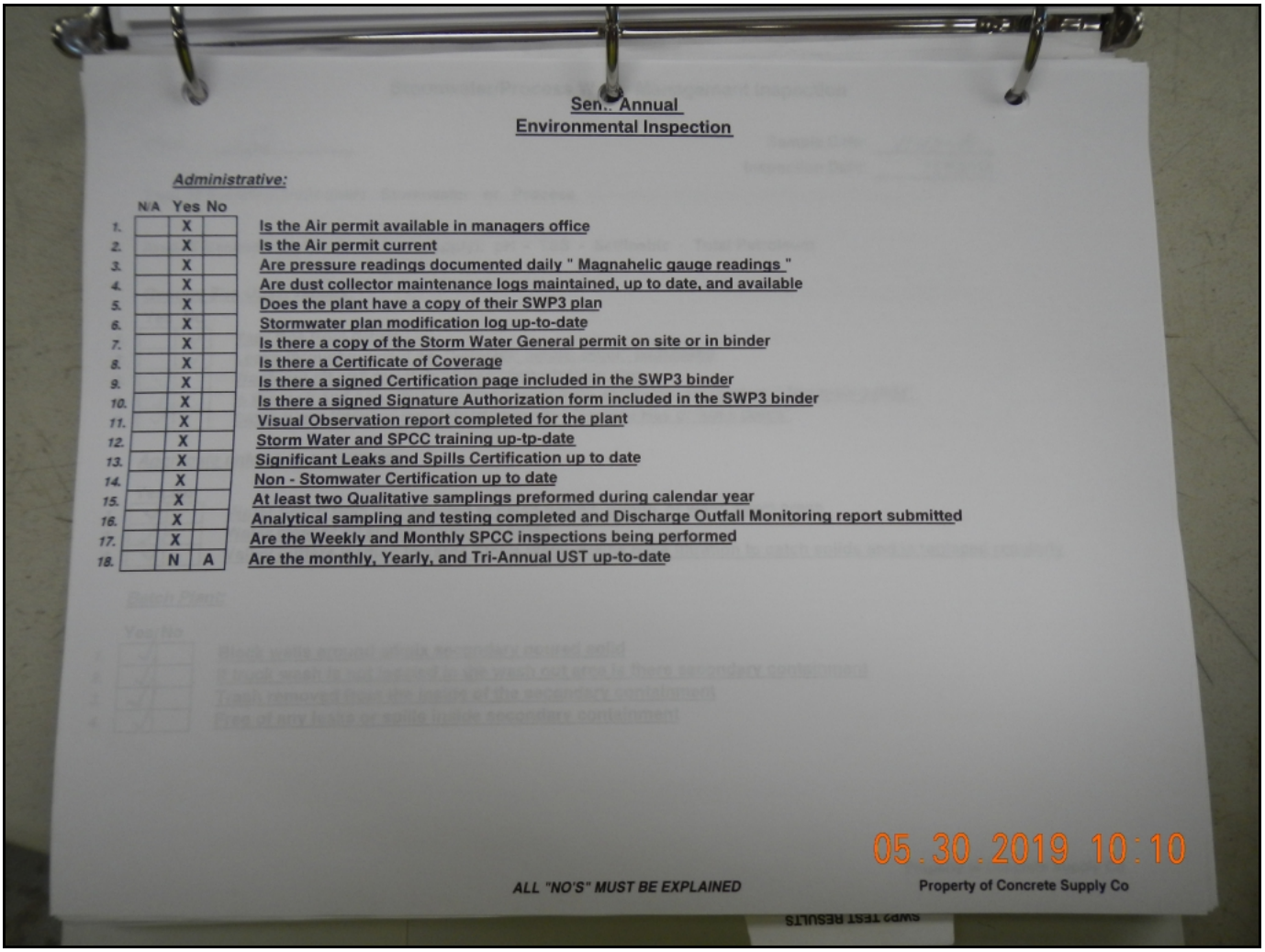
Attributes	
Description	Page 2 of form used for semiannual inspection. Three pages in all. This form dates from 4/25/19. Inspection originals are kept in the office of the corporate environmental manager. The form itself does not have a place to record responses to findings.



Sem.. Annual
Environmental Inspection

Administrative:

	N/A	Yes	No	
1.		X		Is the Air permit available in managers office
2.		X		Is the Air permit current
3.		X		Are pressure readings documented daily " Magnahelic gauge readings "
4.		X		Are dust collector maintenance logs maintained, up to date, and available
5.		X		Does the plant have a copy of their SWP3 plan
6.		X		Stormwater plan modification log up-to-date
7.		X		Is there a copy of the Storm Water General permit on site or in binder
8.		X		Is there a Certificate of Coverage
9.		X		Is there a signed Certification page included in the SWP3 binder
10.		X		Is there a signed Signature Authorization form included in the SWP3 binder
11.		X		Visual Observation report completed for the plant
12.		X		Storm Water and SPCC training up-tp-date
13.		X		Significant Leaks and Spills Certification up to date
14.		X		Non - Stomwater Certification up to date
15.		X		At least two Qualitative samplings preformed during calendar year
16.		X		Analytical sampling and testing completed and Discharge Outfall Monitoring report submitted
17.		X		Are the Weekly and Monthly SPCC inspections being performed
18.		N	A	Are the monthly, Yearly, and Tri-Annual UST up-to-date

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ALL "NO'S" MUST BE EXPLAINED

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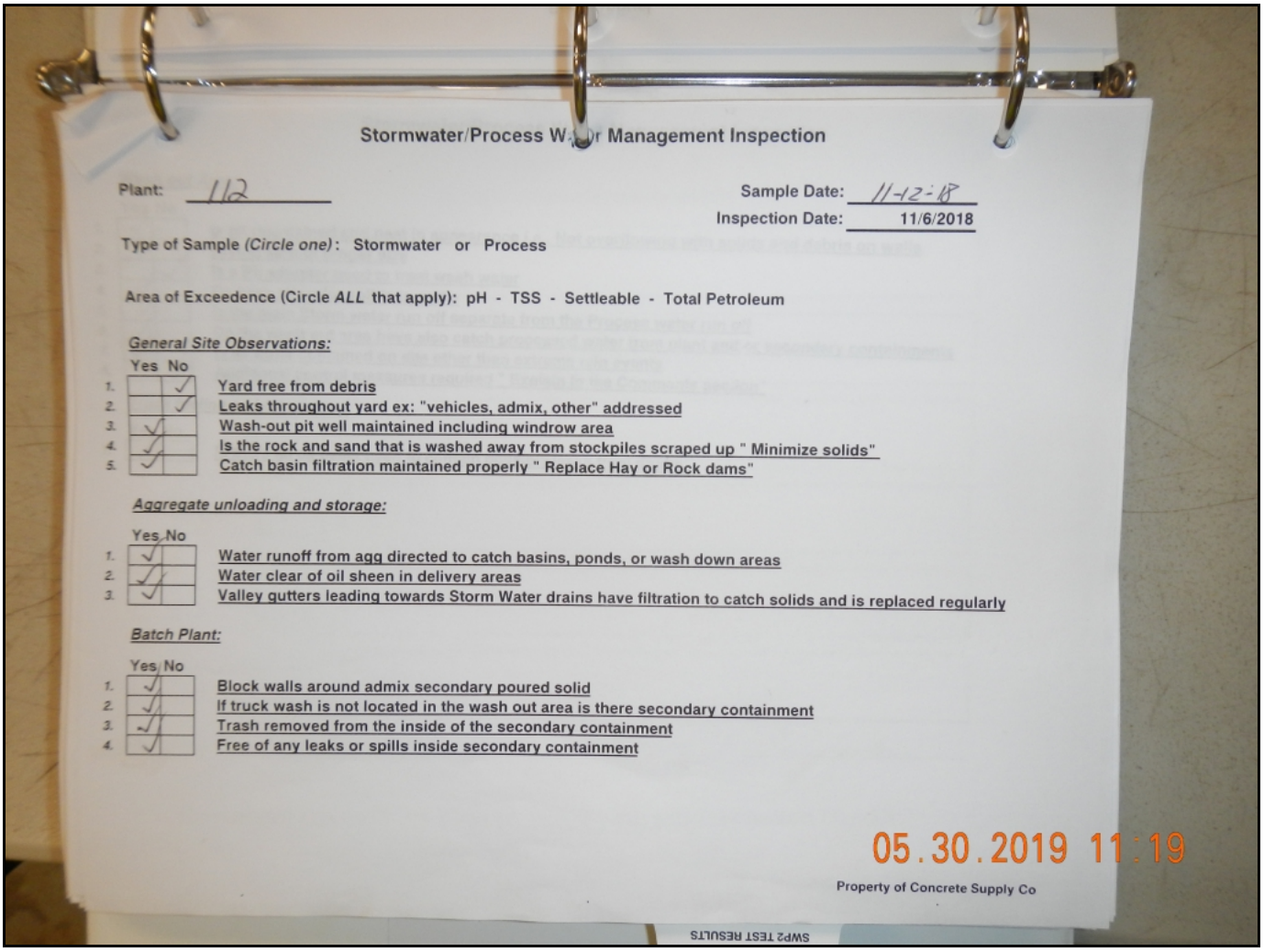
Attributes	
Description	Page 3 of form used for semiannual inspection. Three pages in all. This form dates from 4/25/19. Inspection originals are kept in the office of the corporate environmental manager. The form itself does not have a place to record responses to findings.



Stormwater/Process W[illegible]r Management Inspection

Plant: 112

Sample Date: 11-12-18

Inspection Date: 11/6/2018

Type of Sample *(Circle one)*: Stormwater or Process

Area of Exceedence (Circle *ALL* that apply): pH - TSS - Settleable - Total Petroleum

General Site Observations:

	Yes	No	
1.		✓	Yard free from debris
2.		✓	Leaks throughout yard ex: "vehicles, admix, other" addressed
3.	✓		Wash-out pit well maintained including windrow area
4.	✓		Is the rock and sand that is washed away from stockpiles scraped up " Minimize solids"
5.	✓		Catch basin filtration maintained properly " Replace Hay or Rock dams"

Aggregate unloading and storage:

	Yes	No	
1.	✓		Water runoff from agg directed to catch basins, ponds, or wash down areas
2.	✓		Water clear of oil sheen in delivery areas
3.	✓		Valley gutters leading towards Storm Water drains have filtration to catch solids and is replaced regularly

Batch Plant:

	Yes	No	
1.	✓		Block walls around admix secondary poured solid
2.	✓		If truck wash is not located in the wash out area is there secondary containment
3.	✓		Trash removed from the inside of the secondary containment
4.	✓		Free of any leaks or spills inside secondary containment

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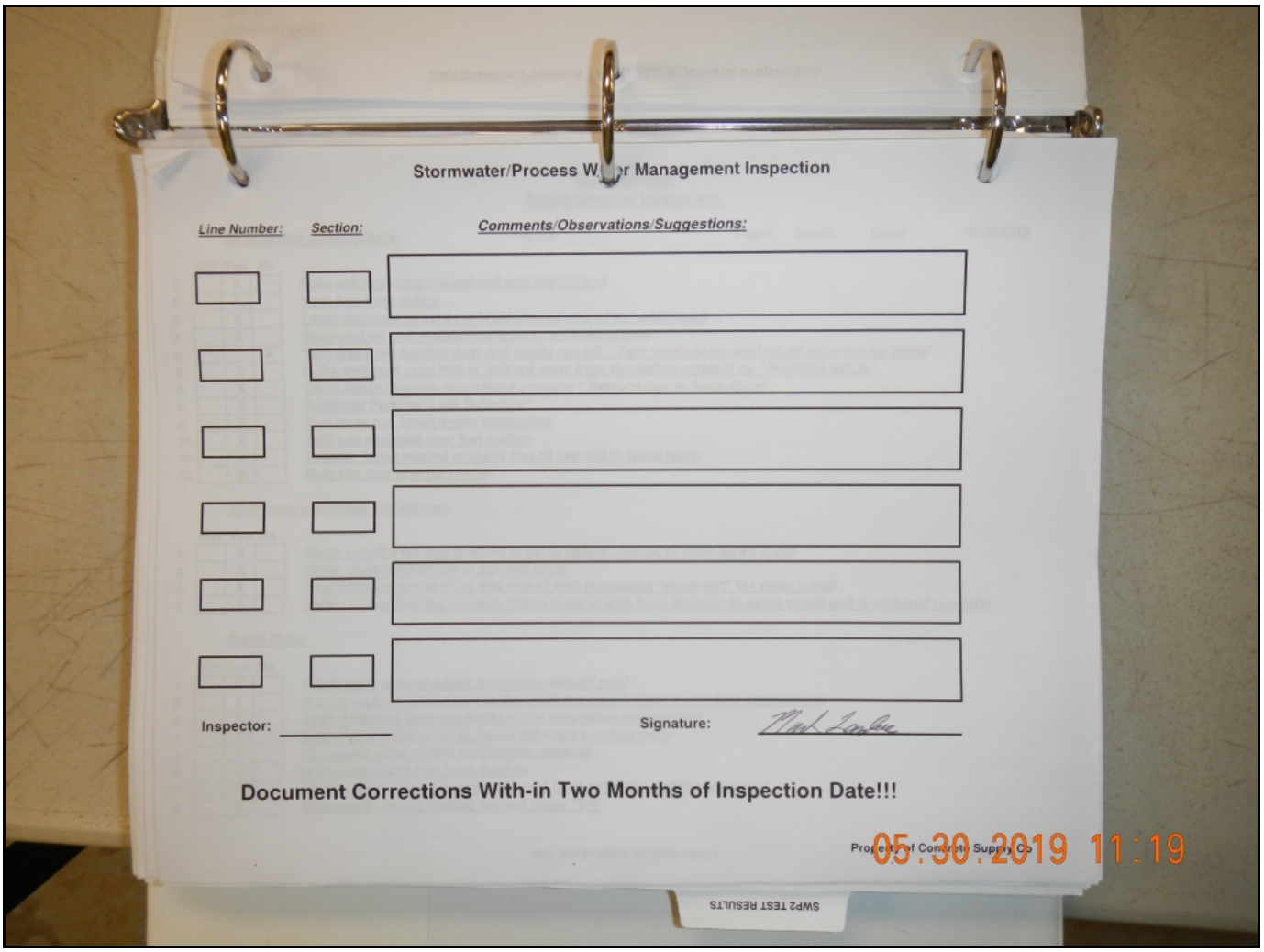
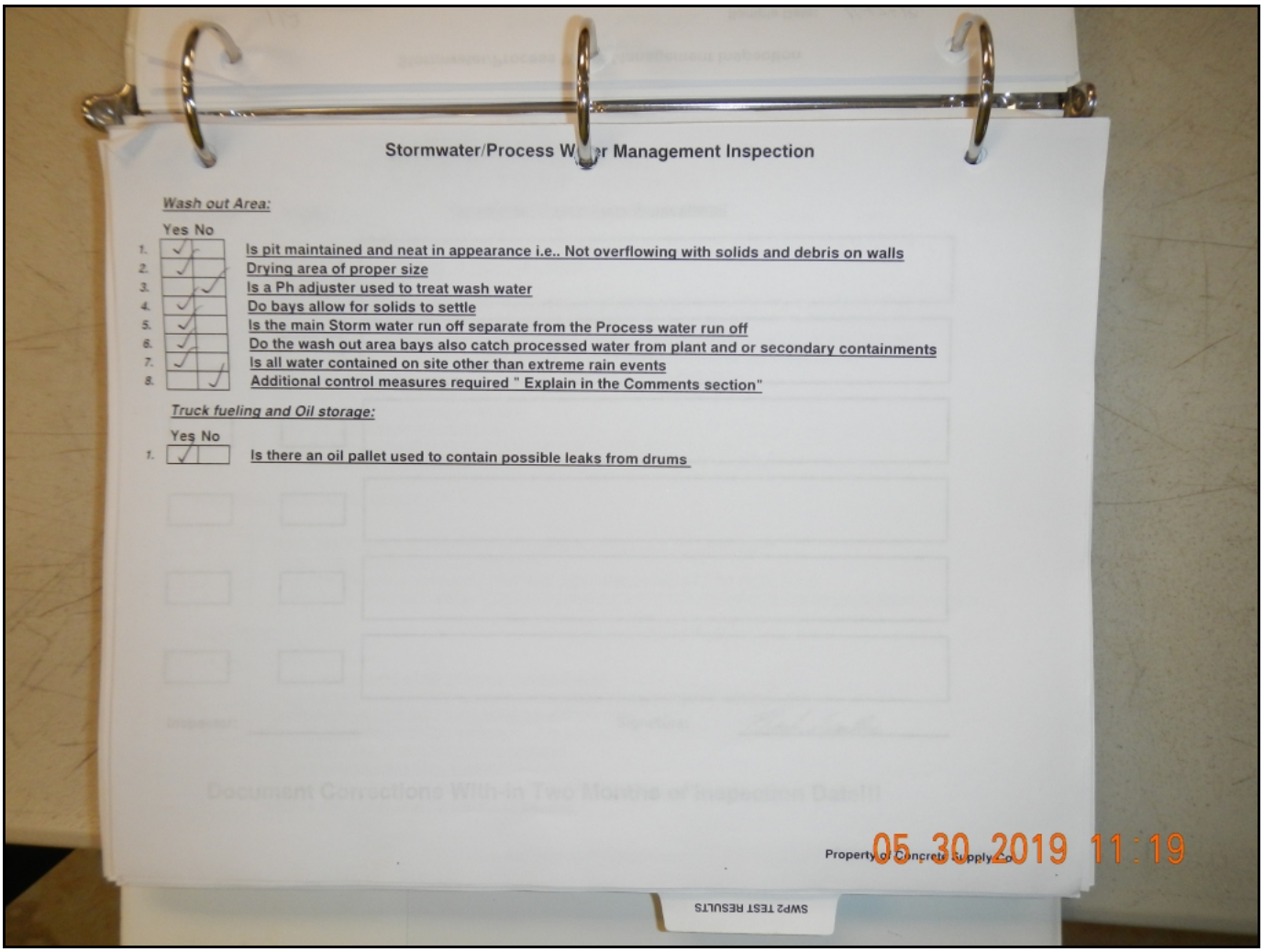
SWP2 TEST RESULTS

Attributes	
Description	Page 1 of Form used for stormwater/process water management inspection. Also identified in SWPPP notebook as the form used for Tier I response to benchmark exceedances. Three pages. Issues noted on form but the form itself does not have a place to record responses to findings. Distinction between process water or storm water not identified.

DSCN1796.JPG

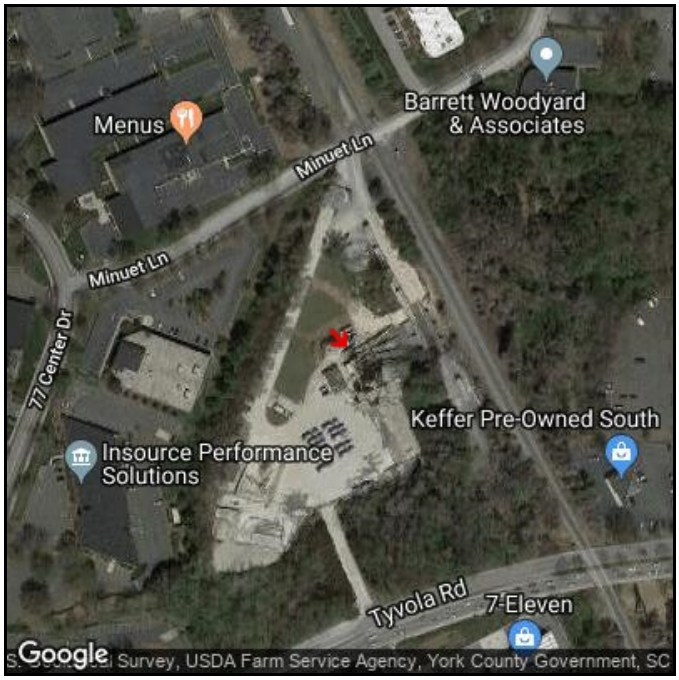


Attributes	
Description	Page 2 of Form used for stormwater/process water management inspection. Also identified in SWPPP notebook as the form used for Tier I response to benchmark exceedances. Three pages. Issues were noted on page one but the form itself does not record comments or corrections on this page.

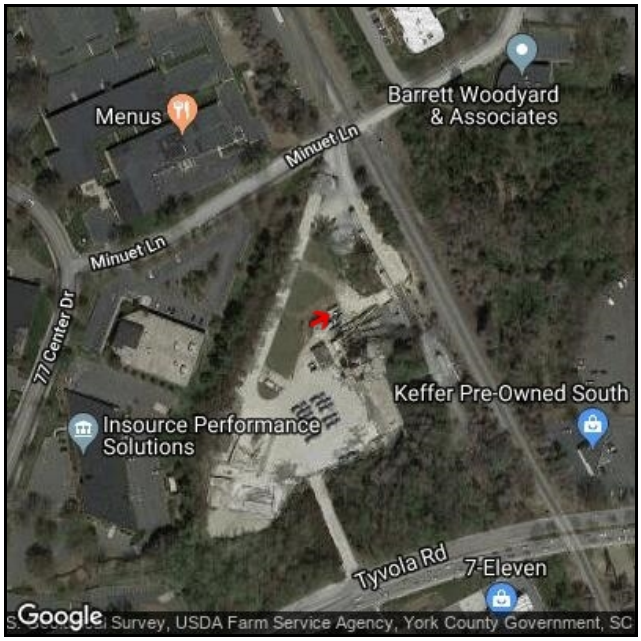


Attributes	
Description	Page 3 of Form used for stormwater/process water management inspection. Also identified in SWPPP notebook as the form used for Tier I response to benchmark exceedances. Three pages. Issues were noted on the form but the form itself does not have a place to record responses to findings.

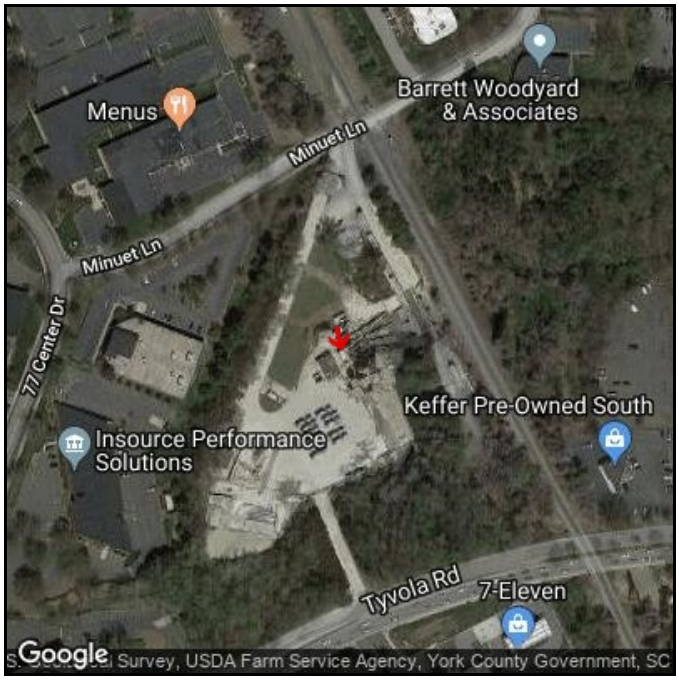
DSCN1797.JPG

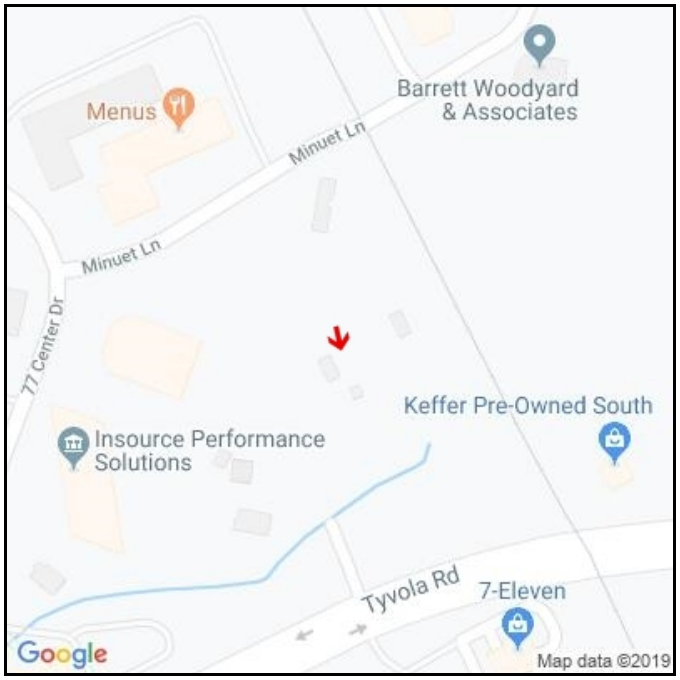


Attributes	
Description	Secondary containment for admixture tanks is broken in this location and two other locations, not shown. Rainwater and spilled liquid from this area would flow into overall site capture tanks shown in later photos.

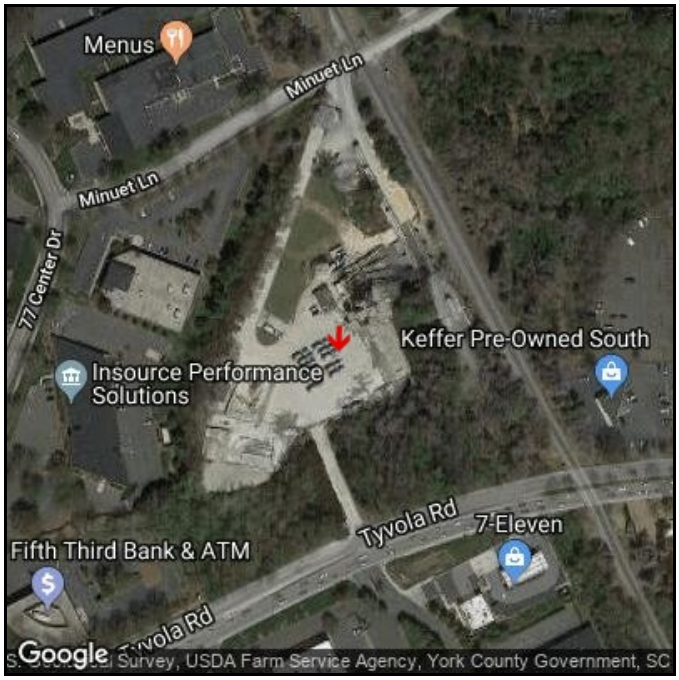


Attributes	
Description	First of two shots of the area below the aggregate storage bins, and the aggregate and sand conveyor belts. Aggregate and sand materials typically have some moisture content. This area also experiences rainfall on these piles and from the northerly portion of the work area, which is captured nearby. Trucks are emptied into the bins from the bridge above.



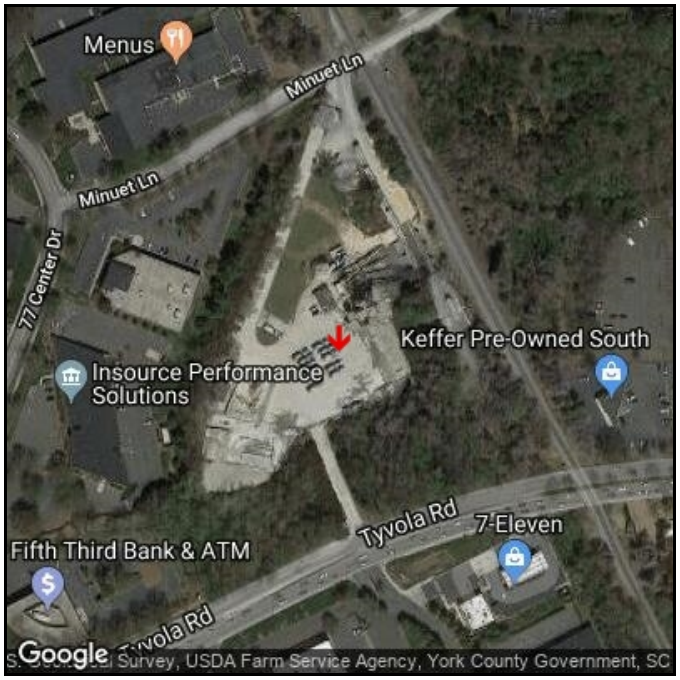


Attributes	
Description	Second view of area below aggregate/sand belts. In background but not shown (between piers and trees, right-middle of photo) is the area that captures the stormwater hitting this area. Water flow and camera angle are southerly.

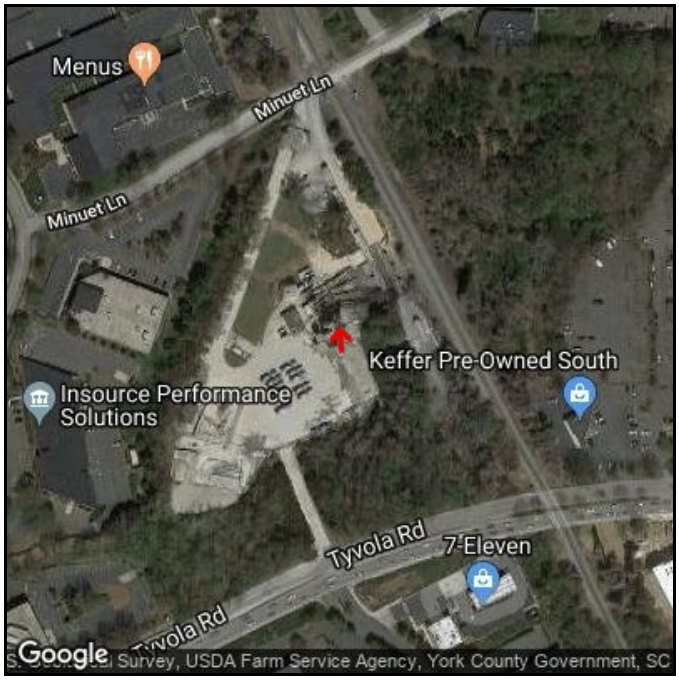


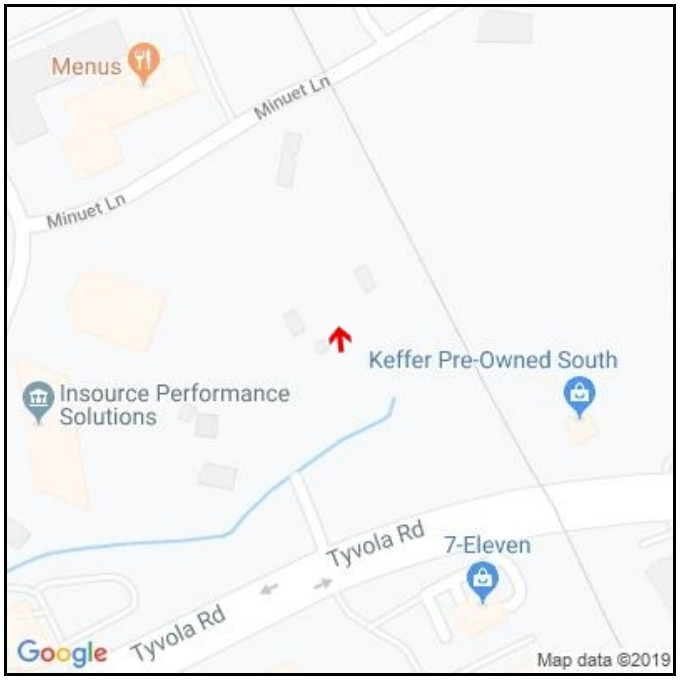
Attributes	
Description	Truck being washed out using self-supplied water in middle of work area. This rinse-water was flowing towards the basin in photo DSCN1803.

DSCN1801.JPG



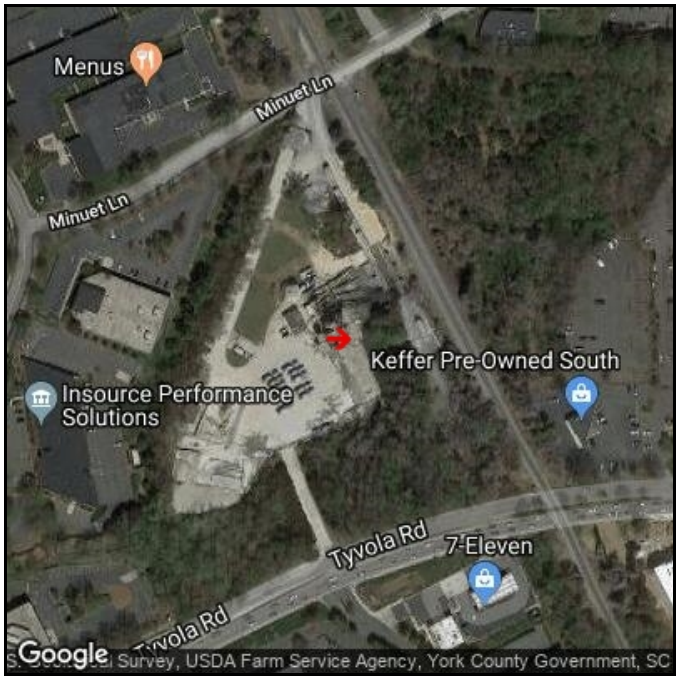
Attributes	
Description	Truck being washed out using self-supplied water in middle of work area. This rinse-water was flowing towards the basin in photo DSCN1803.

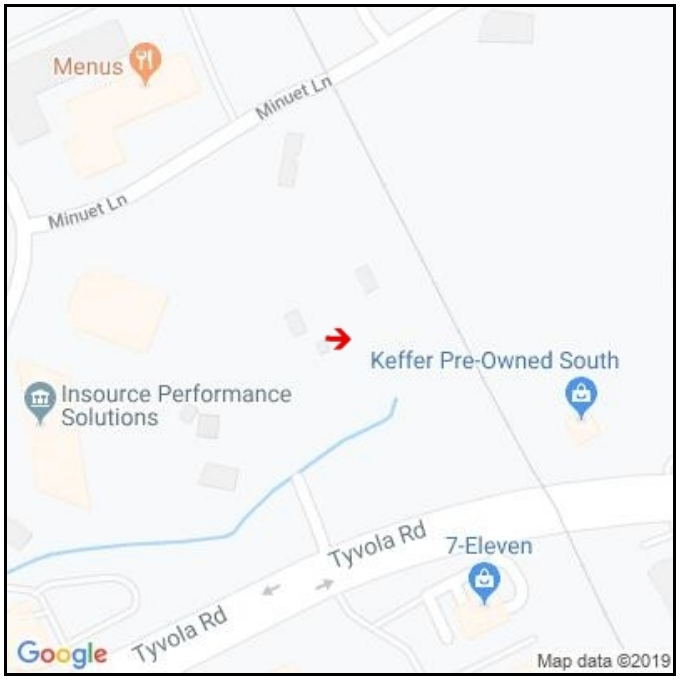




Attributes	
Description	Another view of drainage from belt/storage area. Looking northerly.

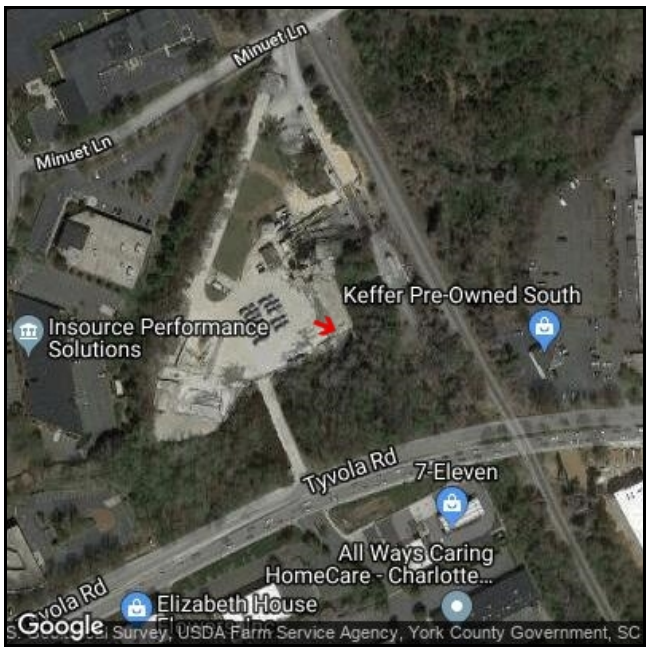
DSCN1803.JPG





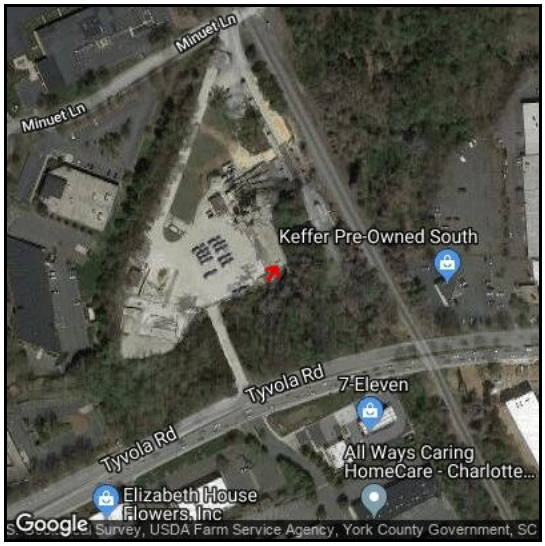
Attributes	
Description	Northerly end of basin capturing stormwater runoff from most of yard area.

DSCN1804.JPG

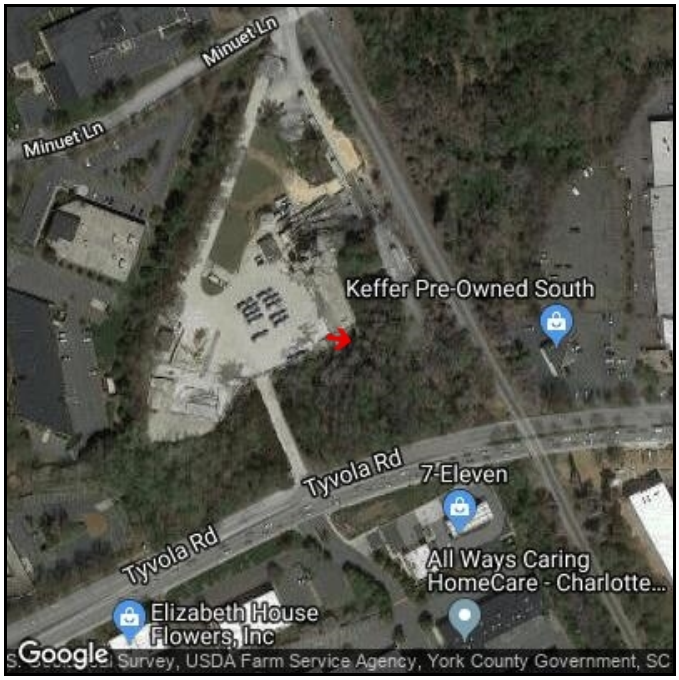


Attributes	
Description	View of CO_2 tanks, and portion of control shed for CO_2 application to wastewater and stormwater for pH adjustment in the final holding basin prior to discharge. System was installed in March 2019. Water is only discharged when necessary; most water is recycled into products. Treatment basin is behind wall in middle of photo. PVC pipe control lines and feed lines are visible.

DSCN1805.JPG

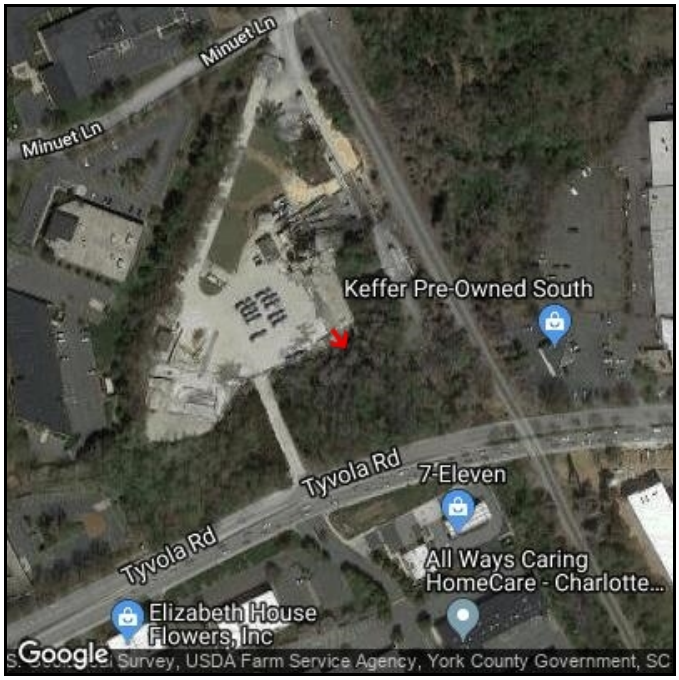


Attributes	
Description	First of four panning shots of the outlet structure area. Staff stated that the water in the ditch was from the adjacent roadway, backing up towards their outlet structure. Outlet structure observed as not discharging at time of inspection. CO_2 pH adjustment feed lines and return lines are visible on the wall. Outlet opening itself is not visible in this picture. Poured concrete wall upper left separates two capture basins from treatment basin. Stacked block with liner – left of photo, background, is basin where water set for discharge is accumulated for treatment. Discharged water would mingle with muddy water in right foreground.



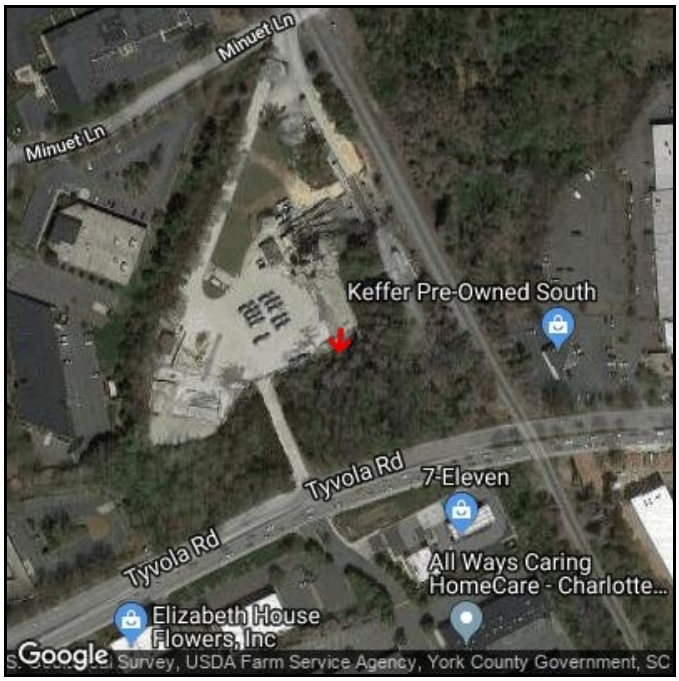
Attributes	
Description	Second of four panning shots showing receiving ditch with muddy water, stated to be from roadway runoff. Looking easterly. Flow would traverse left to right.

DSCN1807.JPG



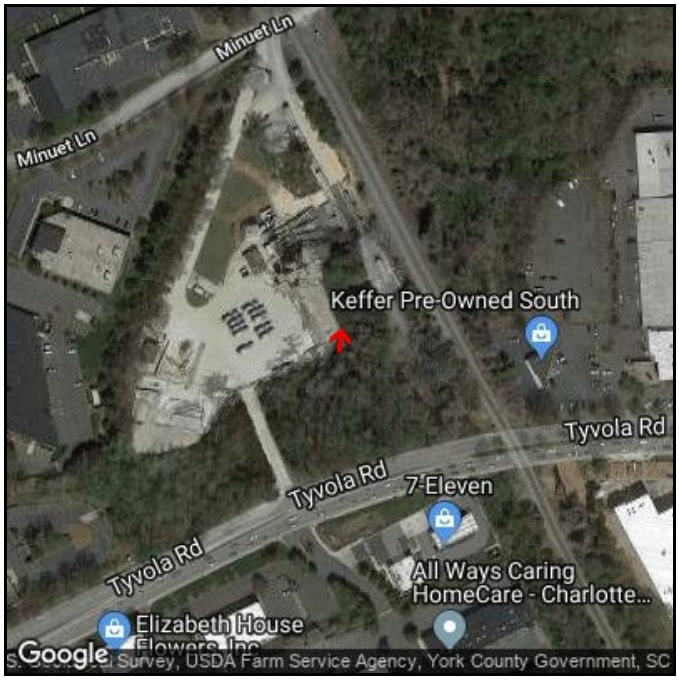
Attributes	
Description	Third of four panning shots of ditch between facility and Tyvola Road.

DSCN1808.JPG



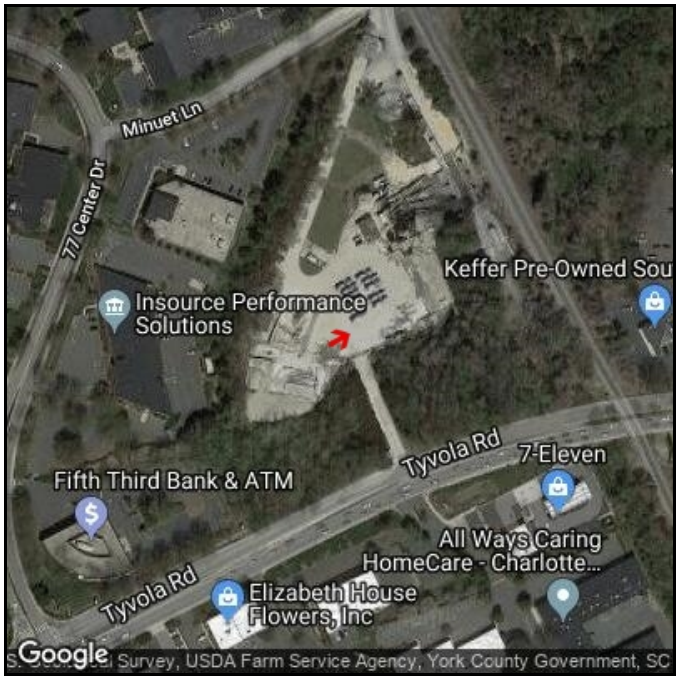
Attributes	
Description	Fourth panning shot of discharge area. Flow goes out of view into vegetated area along Tyvola Road in a westerly direction. Facing southerly.

DSCN1809.JPG



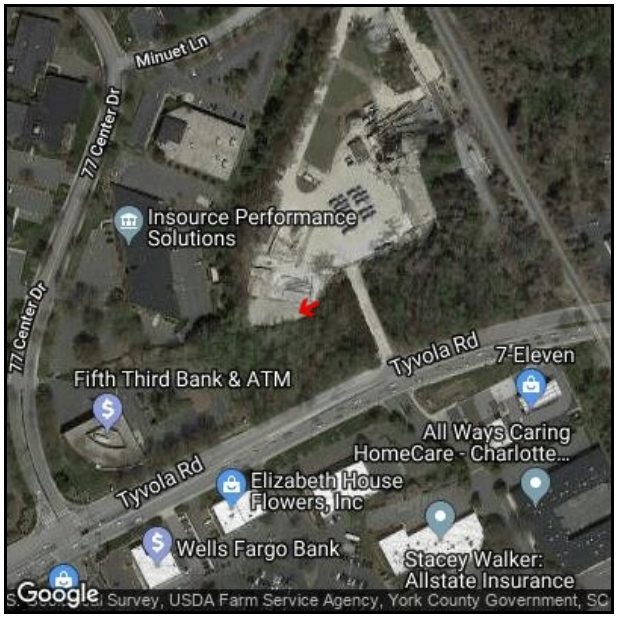
Attributes	
Description	Photo of outlet structure from outside of basin. Water was present at the bottom of the structure but was not flowing. Staff indicated that the system was not discharging. The pre-discharge basin was largely empty (upper left of photo).

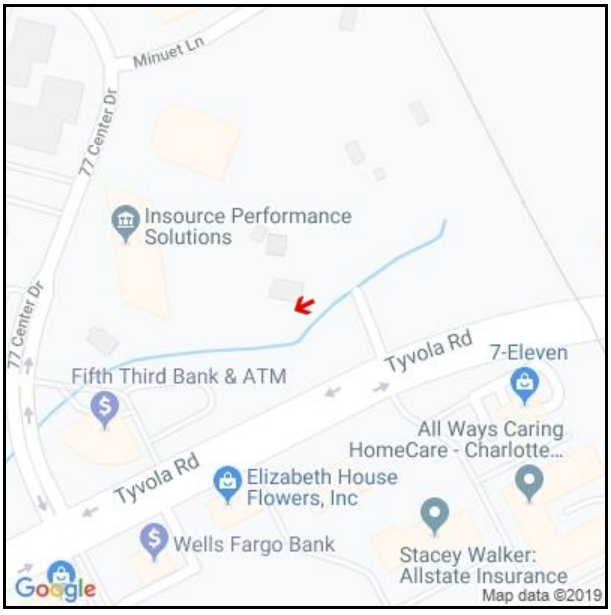
DSCN1810.JPG



Attributes	
Description	Looking down-gradient from center-south of paved truck area, looking roughly ENE.

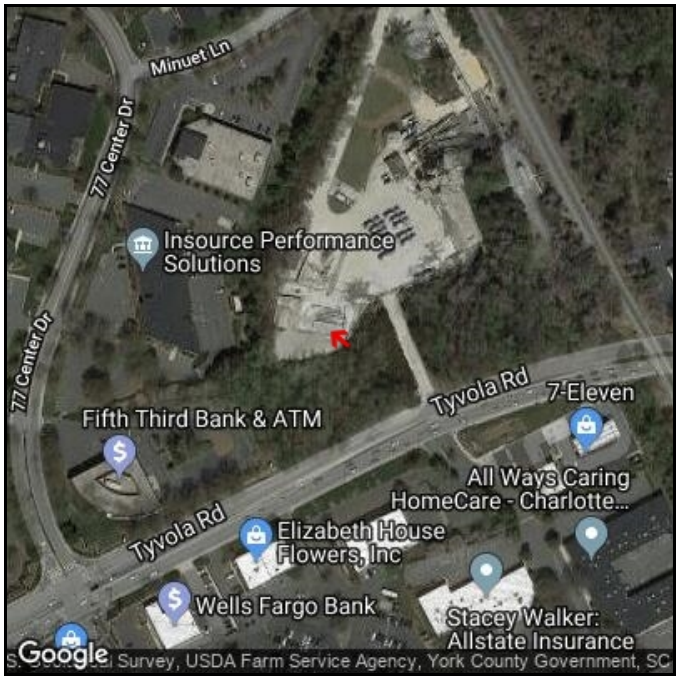
DSCN1811.JPG





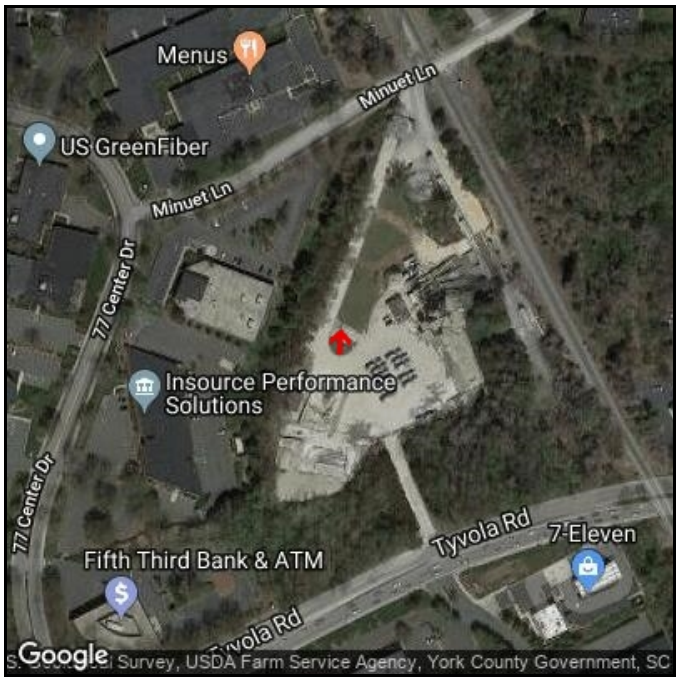
Attributes	
Description	View of former pond area that is no longer used for storage, in SW corner of work area. Limited runoff can still enter this area, but largely percolates. Berm visible in upper left of picture surrounds whole area. Formerly used for storage, the pond was taken out of service and concrete materials were removed. There is an adjacent truck wash station; the corner of poured concrete basin is just visible on right of photo. See DSCN1812.

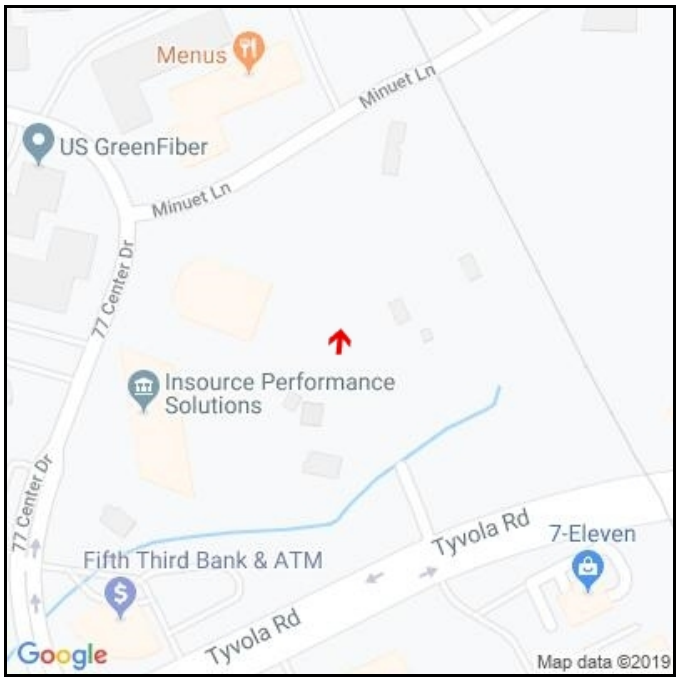
DSCN1812.JPG



Attributes	
Description	Truck washout capture. Decanted water is reused

DSCN1813.JPG





Attributes	
Description	Truck fuel stand. Spill kits (red bucket, 1 of 2 shown) had cracked lids and were filled with rainwater. Suggested that spill kits be replaced.

DSCN1814.jpg

Attributes	
Description	After exiting the facility, inspectors looked at receiving water/ditch downstream of facility, where county had conducted sampling during the prior 12 months.